AMENDMENT

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1. (Currently Amended) A soil additive produced from crushing, grinding and blending specified source rocks wherein a final product contains ~~at least three of andesite,~~ basalt, limestone, dolomite and claystone.

Claim 2. (Currently Amended) A soil additive as claimed in claim 1 wherein the final product has a modal abundance of basalt in the range of 11% to 91%, limestone in the range of 1% to 59%, dolomite in the range of 0.025% to 30% and claystone ~~in the range of 0% to 17.5%~~.

Claim 3. (Currently Amended) A soil additive as claimed in claim 2 wherein the final product has a modal abundance of basalt in the range of 50% to 90.5%, limestone in the range of 1% to 22.5%, dolomite in the range of 0.025% to 12.5% and claystone ~~in the range of 0% to 17.5%~~.

Claim 4. (Currently Amended) A soil additive as claimed in claim 2 wherein the final product has a modal abundance of basalt in the range of 50% to 81.5%, limestone in the range of 3% to 28.5%, dolomite in the range of 0.5% to 18.5% and claystone ~~in the range of 0% to 12%~~.

Claim 5. (Currently Amended) A soil additive as claimed in claim 2 wherein the final product has a modal abundance of basalt in the range of 11% to 79.5%, limestone in the range of 10% to 59%, dolomite in the range of 1% to 30% and claystone ~~in the range of 0% to 8%~~.

Claims 6-9. (Cancelled)

Claim 10 (Currently amended) A soil additive produced from blending source rocks in the form of blending crushing waters produced from blending source rocks in the form of blending crushing waters produced by crushing a first source rock containing at least one of ~~andesite,~~ limestone, dolomite, basalt and claystone with crushing waters produced by crushing at least ~~two~~ three second source rocks chosen from the group consisting of ~~andesite,~~ limestone, dolomite, basalt and claystone to form a final blend containing limestone, dolomite, basalt and claystone.

Claim 11. (Currently Amended) A method for producing a soil additive comprising the steps of:

a. conducting analysis of mineralogy and/or crystalline structure of bulk rocks to determine the applicability of the bulk rocks to be used as a limestone source rock, a basalt source rock, a dolomite source rock or a claystone source rock,

b. crushing each of the source rocks identified in the analysis,

c. size analysis of crushed rock of each of the source rocks to determine whether each source rock ~~is of~~ falls within a predetermined size range,

d. grinding of each of the source rocks, and

e. blending of the source rocks to give a final blend containing limestone, basalt, dolomite and claystone.

Claim 12. (Currently Amended) The method for producing a soil additive as claimed in claim 11 wherein each of the source rocks are processed in a separate processing stream, being a limestone processing stream, a basalt processing stream, a dolomite processing stream ~~or~~ and a claystone processing stream, to produce a product, the products from each separate processing stream combined to form the final blend.

Claim 13. (Original) The method for producing a soil additive as claimed in claim 11 wherein the crushing step reduces the source rocks to a particular size fraction.

Claim 14. (Original) The method for producing a soil additive as claimed in claim 11 wherein the size fraction is at or below 20mm.

Claim 15. (Original) The method for producing a soil additive as claimed in claim 12 wherein after the crushing stage, each processing stream is subjected to size determination to ensure the correct size fraction is obtained during the crushing stage.

Claim 16. (Original) The method for producing a soil additive as claimed in claim 15 wherein the basalt and dolomite processing streams are subjected to neutralizing value and/or attribute analysis.

Claim 17. (Currently amended) The method for producing a soil additive as claimed in claim 15 wherein each processing stream is subjected to at least one drying step[[s]] to remove at least some moisture from the respective processing streams.

Claim 18. (Original) The method for producing a soil additive as claimed in claim 11 wherein during the grinding step, each processing stream is finely ground to give a grinding size fraction in the size range of 0.030 millimetres up to 1.5 millimetres.

Claim 19. (Original) The method for producing a soil additive as clamed in claim 18 wherein size fraction ranges of the basalt processing stream is from 0.030 millimetres to 0.080 millimetres after the grinding step.

Claim 20. (Original) The method for producing a soil additive as claimed in claim 18 wherein size fraction ranges of the limestone processing stream is from 0.030 millimetres to 0.090 millimetres after the grinding step.

Claim 21. (Original) The method for producing a soil additive as claimed in claim 18 wherein size fraction ranges of the dolomite processing stream is from 0.030 millimetres to 0.5 millimetres after then grinding step.

Claim 22. (Original) The method of producing a soil additive as claimed in claim 18 wherein size fraction ranges of the claystone processing stream is from 0.040 millimetres to 0.5 millimetres after the grinding step.

Claim 23. (Original) The method for producing a soil additive as claimed in claim 11 wherein

after the grinding stage, the limestone processing stream is tested for neutralizing value and/or attribute analysis to ensure a grain size within the range of 0.030 millimetres to 0.090 millimetres.

Claim 24. (New) A soil additive according to claim 1 wherein the final product contains at least basalt, limestone dolomite and claystone in a ratio of approximately 8:3:1:1.